

Suba'17

generating searched program guide information  
comprising said searched programs; and

**06-07-2019**

2. A program guide information providing device according to Claim 1, further comprising receiving means for receiving programs supplied from said program supplying means.

3. A program guide information providing system comprising a communication terminal device and a program guide information providing device connected by predetermined communication means;

wherein said program guide information providing device comprises:

program guide information storing means for storing beforehand program guide information indicating the contents of programs to be supplied by predetermined program supplying means;

preference information storing means for correlating preference information indicating the preferences of user using said communication terminal device with identification information appropriated to said communication terminal device, and storing said preference information beforehand;

searching means for

searching programs matching the preferences of said user from said program guide information based on said read preference information, and

transmitting means for transmitting said  
searched program guide information to said communication  
terminal device;

transmitting means for transmitting to said  
guide information providing device said program  
identification information appropriated to said  
communication terminal device;

notifying means for notifying the user of said

received searched program guide information.

4. A program guide information providing system according to Claim 3, said program guide information providing device further comprising receiving means for receiving programs supplied from said program supplying means.

5. An information receiving device connected to a communication terminal device by predetermined communication means, said information receiving device comprising:

program guide information storing means for storing beforehand program guide information indicating the contents of programs to be supplied by predetermined program supplying means;

preference information storing means for correlating preference information indicating the preferences of user using said communication terminal device with identification information appropriated to said communication terminal device, and storing said preference information beforehand;

receiving means for receiving said identification information transmitted from a remote commander connected to said communication means;

searching means for

reading from said preference information storing

0062725-072800

means said preference information corresponding to said received identification information,

searching programs matching the preferences of said user from said program guide information based on said read preference information, and

generating searched program guide information comprising said searched programs;

transmitting means for transmitting said searched program guide information to said remote commander; and

a remote commander having first transmitting / receiving means for directly exchanging information between said receiving means and said transmitting means, and second transmitting / receiving means for exchanging information via said communication terminal device and said communicating means.

6. An information receiving device according to Claim 5, further comprising recording control means for recording to recording means programs specified by said communication terminal device from a plurality of programs supplied from said program supplying means.

7. A remote operating system wherein a communication terminal device and an information receiving device are connected via predetermined communication means;

0962725-07E60

wherein said information receiving device comprises:

program guide information storing means for storing beforehand program guide information indicating the contents of programs to be supplied by predetermined program supplying means;

preference information storing means for correlating preference information indicating the preferences of user using said communication terminal device with identification information appropriated to said communication terminal device, and storing said preference information beforehand;

receiving means for receiving said identification information transmitted from a remote commander connected to said communication means;

searching means for

reading from said preference information storing means said preference information corresponding to said received identification information,

searching programs matching the preferences of said user from said program guide information based on said read preference information, and

generating searched program guide information comprising said searched programs;

transmitting means for transmitting said searched program guide information to said remote commander;

009220 5272960

a remote commander having first transmitting / receiving means for directly exchanging information between said receiving means and said transmitting means, and second transmitting / receiving means for exchanging information via said communication terminal device and said communicating means;

transmitting means for transmitting to said remote commander said identification information appropriated to said communication terminal device;

receiving means for receiving said searched program guide information transmitted from said remote commander; and

8. A remote operating system according to Claim 7, wherein said information receiving device further comprises recording control means for recording to recording means programs specified by said communication terminal device from a plurality of programs supplied from said program supplying means.

transmitting said searched program guide information  
to said communication terminal device.



10. A program guide information providing method for a program guide information providing device according to Claim 9, further receiving programs supplied from said program supplying means.

11. A program guide information providing method for a program guide information providing system comprising a communication terminal device and a program guide information providing device connected by predetermined communication means, said method comprising the following steps:

storing beforehand in program guide information storing means of said program guide information providing device, program guide information indicating the contents of programs to be supplied by predetermined program supplying means;

correlating preference information indicating the preferences of user using said communication terminal device with identification information appropriated to said communication terminal device, and storing said preference information beforehand in preference information storing means of said program guide information providing device;

transmitting said identification information from said communication terminal device to said program guide

008220 522960

12. A program guide information providing method for a program guide information providing system according to Claim 11, wherein said information providing device receives programs supplied from said program supplying means.

13. A program guide information providing method for an information receiving device connected to a communication terminal device by predetermined communication means, said method comprising the following steps:

storing beforehand program guide information indicating the contents of programs to be supplied by predetermined program supplying means to program guide information storing means of said information receiving device;

correlating preference information indicating the preferences of user using said communication terminal device with identification information appropriated to said communication terminal device, and storing said preference information beforehand to preference information storing means of said information receiving device;

receiving said identification information transmitted from said communication terminal device with a remote commander connected to said communication means;

transmitting said received identification information from said remote commander to said information receiving device;

receiving said identification information transmitted from said remote commander with said information receiving device;

003220 2272360

searching programs matching the preferences of said user from said program guide information based on said read preference information;

transmitting said searched program guide information from said information receiving device to said remote commander;

transmitting said received searched program guide information from said remote commander to said communication terminal device.

14. A program guide information providing method for an information receiving device according to Claim 13, wherein said information receiving device records to recording means programs specified by said communication terminal device from a plurality of programs supplied from said program supplying means.

transmitting said received identification information from said remote commander to said information receiving device;

receiving said identification information transmitted from said remote commander with said information receiving device;

reading from said preference information storing means said preference information corresponding to said received identification information;

searching programs matching the preferences of said user from said program guide information based on said read preference information;

generating searched program guide information comprising said searched programs;

transmitting said searched program guide information from said information receiving device to said remote commander;

receiving said searched program guide information transmitted from said information receiving device with said remote commander;

transmitting said received searched program guide information from said remote commander to said communication terminal device;

receiving said searched program guide information transmitted from said remote commander with said communication terminal device; and

notifying the user of said received searched program guide information via notifying means.

16. A remote operating method for a remote operating system according to Claim 15, wherein said information receiving device further records to recording means programs specified by said communication terminal device from a plurality of programs supplied from said program supplying means.

003240 5242960